What is claimed is:

1.　An apparatus to communicate a set of data symbols $d(i)$ where $i = 1, \ldots, n$, the apparatus comprising:

a set of transmission lines $l(i)$ where $i = 1, \ldots, n$, where transmission line $l(i)$ propagates a signal $x(i)$ for $i = 1, \ldots, n$;

a set of receivers $r(i)$ where $i = 1, \ldots, n$, wherein receiver $r(i)$ is connected to transmission line $l(i)$ to receive the signal $x(i)$ for each $i = 1, \ldots, n$;

a set of drivers $t(i)$ where $i = 1, \ldots, n$, where driver $t(i)$ is connected to transmission line $l(i)$ to transmit the signal $x(i)$ for each $i = 1, \ldots, n$; and

a mapper to map the set of data symbols $d(i)$ to the signals $x(i)$ for $i = 1, \ldots, n$, wherein for each $i = 1, \ldots, n$, $x(i)$ is a function of $d(i)$ and at least one $d(j)$ for $j \neq i$.

2.　The apparatus as set forth in claim 1, wherein the mapper comprises:

a table, wherein the table stores words addressed by the set of data symbols, wherein for each $i = 1, \ldots, n$, the driver $t(i)$ transmits the signal $x(i)$ in response to a word stored in the table.

3.　The apparatus as set forth in claim 1, wherein the mapper comprises:

a finite state machine, wherein the finite state machine in response the set of data symbols provides words to the set of drivers, wherein for each $i = 1, \ldots, n$ driver $t(i)$ transmits the signal $x(i)$ in response to a word.

4. The apparatus as set forth in claim 1, wherein the set of transmission lines is such that transmission line $l(i)$ for an i has capacitive coupling with another transmission line $l(j)$ where $j \neq i$.

5. The apparatus as set forth in claim 1, wherein for each $i = 1,\ldots,n$, receiver $r(i)$ provides an estimate of $d(i)$ based upon the signal $x(i)$ independently of $x(j)$ for $j \neq i$.

6. The apparatus as set forth in claim 5, wherein the mapper comprises:

    a table, wherein the table stores words addressed by the set of data symbols, wherein for each $i = 1,\ldots,n$ driver $t(i)$ transmits the signal $x(i)$ in response to a word stored in the table.

7. The apparatus as set forth in claim 5, wherein the mapper comprises:

    a finite state machine, wherein the finite state machine in response the set of data symbols provides words to the set of drivers, wherein for each $i = 1,\ldots,n$ driver $t(i)$ transmits the signal $x(i)$ in response to a word.

8. The apparatus as set forth in claim 5, wherein the set of transmission lines is such that transmission line $l(i)$ for an i has capacitive coupling with another transmission line $l(j)$ where $j \neq i$.

9. A computer system comprising:

a set of transmission lines $l(i)$ where $i = 1,...,n$, where transmission line $l(i)$

propagates a signal $x(i)$ for $i = 1,...,n$;

a first die comprising:

a set of drivers $t(i)$ where $i = 1,...,n$, where driver $t(i)$ is connected to

transmission line $l(i)$ to transmit the signal $x(i)$ for each $i = 1,...,n$;

a mapper to map a set of data symbols $d(i)$ to the signals $x(i)$ for

$i = 1,...,n$, wherein for each $i = 1,...,n$, $x(i)$ is a function of $d(i)$ and at least one $d(j)$

for $j \neq i$; and

a second die, the first die connected to the second die by the set of transmission

lines, the first die to communicate the set of data symbols $d(i)$ where $i = 1,...,n$ to the

second die, the second die comprising:

a set of receivers $r(i)$ where $i = 1,...,n$, wherein receiver $r(i)$ is

connected to transmission line $l(i)$ to receive the signal $x(i)$ for each $i = 1,...,n$.

10.   The apparatus as set forth in claim 9, wherein the mapper comprises:

a table, wherein the table stores words addressed by the set of data symbols,

wherein for each $i = 1,...,n$ driver $t(i)$ transmits the signal $x(i)$ in response to a word

stored in the table.

11.   The apparatus as set forth in claim 9, wherein the mapper comprises:

a finite state machine, wherein the finite state machine in response the set of data symbols provides words to the set of drivers, wherein for each $i = 1,...,n$ driver $t(i)$ transmits the signal $x(i)$ in response to a word.

12.   The apparatus as set forth in claim 9, wherein the set of transmission lines is such that transmission line $l(i)$ for an i has capacitive coupling with another transmission line $l(j)$ where $j \neq i$.

13.   The apparatus as set forth in claim 9, wherein for each $i = 1,...,n$, receiver $r(i)$ provides an estimate of $d(i)$ based upon the signal $x(i)$ independently of $x(j)$ for $j \neq i$.

14.   The apparatus as set forth in claim 13, wherein the mapper comprises:

a table, wherein the table stores words addressed by the set of data symbols, wherein for each $i = 1,...,n$ driver $t(i)$ transmits the signal $x(i)$ in response to a word stored in the table.

15.   The apparatus as set forth in claim 13, wherein the mapper comprises:

a finite state machine, wherein the finite state machine in response the set of data symbols provides words to the set of drivers, wherein for each $i = 1,...,n$ driver $t(i)$ transmits the signal $x(i)$ in response to a word.

16.   The apparatus as set forth in claim 13, wherein the set of transmission lines is such that transmission line $l(i)$ for an i has capacitive coupling with another transmission line $l(j)$ where $j \neq i$.

17.   A method to provide crosstalk equalization, the method comprising:

mapping a set of data symbols $d(i)$, $i = 1,...,n$ to a set of signals $x(i)$, $i = 1,...,n$, wherein for each $i = 1,...,n$, $x(i)$ is a function of $d(i)$ and at least one $d(j)$ for $j \neq i$; and

transmitting the set of signals on a set of transmission lines $l(i)$, $i = 1,...,n$, where for each $i = 1,...,n$, $x(i)$ is transmitted on transmission line $l(i)$.

18.   The method as set forth in claim 17, further comprising:

receiving the set of signals by a set of receivers $r(i)$ where $i = 1,...,n$, wherein for each $i = 1,...,n$, receiver $r(i)$ estimates the data symbol $d(i)$ based upon the signal $x(i)$ independently of the signals $x(j)$ for $j \neq i$.

19.   A set of drivers $t(i)$, where $i = 1,...,n$, to communicate a set of data symbols $d(i)$, where $i = 1,...,n$, where driver $t(i)$ is to transmit a signal $x(i)$ for each $i = 1,...,n$, the set of drivers comprising:

a mapper to map the set of data symbols $d(i)$ to the signals $x(i)$ for $i = 1,...,n$, wherein for each $i = 1,...,n$, $x(i)$ is a function of $d(i)$ and at least one $d(j)$ for $j \neq i$.

20.   The set of drivers as set forth in claim 19, wherein the mapper comprises:

a table, wherein the table stores words addressed by the set of data symbols,

wherein for each $i = 1, ..., n$ driver $t(i)$ transmits the signal $x(i)$ in response to a word

stored in the table.

21.   The set of drivers as set forth in claim 20, wherein the mapper comprises:

a finite state machine, wherein the finite state machine in response the set of data

symbols provides words to the set of drivers, wherein for each $i = 1, ..., n$, driver

$t(i)$ transmits the signal $x(i)$ in response to a word.